



IFWO

RAW SEQUENCE LISTING

DATE: 09/17/2004

PATENT APPLICATION: US/10/821,544

TIME: 11:46:15

Input Set : N:\CrF3\RULE60\10821544.raw.txt

Output Set: N:\CRF4\09172004\J821544.raw

1 <110> APPLICANT: ROSENBERG, STEVE
 2 DOYLE, MICHAEL
 3 CHAPMAN, HAROLD
 4 <120> TITLE OF INVENTION: PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR
 5 <130> FILE REFERENCE: 014024-0284102
 6 <140> CURRENT APPLICATION NUMBER: US/10/821,544
 7 <141> CURRENT FILING DATE: 2004-04-09
 8 <150> PRIOR APPLICATION NUMBER: US/09/155,260C
 9 <151> PRIOR FILING DATE: 1998-09-23
 10 <150> PRIOR APPLICATION NUMBER: PCT/US97/05199
 11 <151> PRIOR FILING DATE: 1997-03-28
 12 <150> PRIOR APPLICATION NUMBER: 08/623,361
 13 <151> PRIOR FILING DATE: 1996-03-28
 14 <160> NUMBER OF SEQ ID NOS: 76
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 16
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 23 peptide ligand
 24 <400> SEQUENCE: 1
 25 Ala Glu Pro Val Tyr Gln Tyr Glu Leu Asp Ser Tyr Leu Arg Ser Tyr
 26 1 5 10 15
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 16
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 34 peptide ligand
 35 <400> SEQUENCE: 2
 36 Ala Glu Phe Phe Lys Leu Gly Pro Asn Gly Tyr Val Tyr Leu His Ser
 37 1 5 10 15
 39 <210> SEQ ID NO: 3
 40 <211> LENGTH: 16
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 45 peptide ligand
 46 <400> SEQUENCE: 3

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47      Ala Glu Leu Asp Leu Ser Thr Phe Tyr Asp Ile Gln Tyr Leu Leu Arg
48          1                      5                      10                      15
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51 <211> LENGTH: 16
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
56     peptide ligand
57 <400> SEQUENCE: 4
58      Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr Thr Leu
59          1                      5                      10                      15
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 11
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
67     peptide ligand
W--> 68 <221> NAME/KEY: MOD_RES
69 <222> LOCATION: (3)
70 <223> OTHER INFORMATION: Any amino acid
W--> 71 <221> MOD_RES
72 <222> LOCATION: (5)..(6)
73 <223> OTHER INFORMATION: Any amino acid
W--> 74 <400> 5
W--> 75      Tyr His Xaa Leu Xaa Xaa Gly Tyr Met Tyr Thr
76          1                      5                      10
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 11
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84     peptide ligand
W--> 85 <221> NAME/KEY: MOD_RES
86 <222> LOCATION: (4)..(6)
87 <223> OTHER INFORMATION: Any amino acid
W--> 88 <400> 6
W--> 89      Phe Lys Leu Xaa Xaa Xaa Gly Tyr Val Tyr Leu
90          1                      5                      10
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 16
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
98     peptide ligand
99 <400> SEQUENCE: 7

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100      Ala Glu Pro Met Pro His Ser Leu Asn Phe Ser Gln Tyr Ala Trp Tyr
101          1              5              10              15
103 <210> SEQ ID NO: 8
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105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
109      peptide ligand
110 <400> SEQUENCE: 8
111      Val Glu Tyr Arg Asp Ala Tyr Ser Tyr Pro Gln Tyr Leu Ser Tyr Leu
112          1              5              10              15
114 <210> SEQ ID NO: 9
115 <211> LENGTH: 47
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
120      peptide ligand
121 <400> SEQUENCE: 9
122      Asp Gln Glu Ser Cys Lys Gly Arg Cys Thr Glu Gly Phe Asn Val Asp
123          1              5              10              15
124      Lys Lys Cys Gln Cys Asp Glu Leu Cys Ser Tyr Tyr Gln Ser Cys Cys
125          20              25              30
126      Thr Asp Tyr Thr Ala Glu Cys Lys Pro Gln Val Thr Arg Gly Asp
127          35              40              45
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 17
131 <212> TYPE: PRT
132 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
135      peptide ligand
136 <400> SEQUENCE: 10
137      Ala Glu Pro Val Tyr Gln Tyr Glu Leu Asp Ser Tyr Leu Arg Ser Tyr
138          1              5              10              15
139      Tyr
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 17
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
147      peptide ligand
148 <400> SEQUENCE: 11
149      Ala Glu Leu Asp Leu Ser Thr Phe Tyr Asp Ile Gln Tyr Leu Leu Arg
150          1              5              10              15
151      Thr
153 <210> SEQ ID NO: 12

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154 <211> LENGTH: 17
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159     peptide ligand
160 <400> SEQUENCE: 12
161     Ala Glu Pro Val Tyr Gln Tyr Glu Leu Asp Ser Tyr Leu Arg Ser Tyr
162         1             5             10             15
163     Tyr
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 17
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
171     peptide ligand
172 <400> SEQUENCE: 13
173     Ala Glu Phe Phe Lys Leu Gly Pro Asn Gly Tyr Val Tyr Leu His Ser
174         1             5             10             15
175     Ala
177 <210> SEQ ID NO: 14
178 <211> LENGTH: 17
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     peptide ligand
184 <400> SEQUENCE: 14
185     Ala Glu Leu Asp Leu Ser Thr Phe Tyr Asp Ile Gln Tyr Leu Leu Arg
186         1             5             10             15
187     Thr
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 17
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
195     peptide ligand
196 <400> SEQUENCE: 15
197     Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr Thr Leu
198         1             5             10             15
199     Asn
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 17
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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Output Set: N:\CRF4\09172004\J821544.raw

```

207      peptide ligand
208 <400> SEQUENCE: 16
209      Ala Glu Pro Met Pro His Ser Leu Asn Phe Ser Gln Tyr Leu Trp Tyr
210          1              5              10              15
211      Thr
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 19
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
219      peptide ligand
220 <400> SEQUENCE: 17
221      Cys Leu Asn Gly Gly Thr Ala Val Ser Asn Lys Tyr Phe Ser Asn Leu
222          1              5              10              15
223      His Trp Cys
225 <210> SEQ ID NO: 18
226 <211> LENGTH: 6
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: C-terminal
231      epitope tag
232 <400> SEQUENCE: 18
233      Glu Tyr Met Pro Met Glu
234          1              5
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 15
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242      peptide
243 <400> SEQUENCE: 19
244      Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr Thr
245          1              5              10              15
247 <210> SEQ ID NO: 20
248 <211> LENGTH: 14
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
253      peptide
254 <400> SEQUENCE: 20
255      Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr
256          1              5              10
258 <210> SEQ ID NO: 21
259 <211> LENGTH: 13
260 <212> TYPE: PRT

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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 09/17/2004

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Input Set : N:\Crf3\RULE60\10821544.raw.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 3,5,6

Seq#:6; Xaa Pos. 4,5,6

Seq#:47; Xaa Pos. 5

Seq#:48; Xaa Pos. 5

Seq#:50; Xaa Pos. 12

Seq#:51; Xaa Pos. 12

Seq#:53; Xaa Pos. 14

Seq#:54; Xaa Pos. 14

Seq#:56; Xaa Pos. 13

Seq#:57; Xaa Pos. 13

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10821544.raw.txt

Output Set: N:\CRF4\09172004\J821544.raw

L:68 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:71 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:74 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:85 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:88 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:555 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:558 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:570 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:573 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:48
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:597 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:600 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:50
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:612 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:615 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:639 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:642 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:53
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:654 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:657 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:681 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:684 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:56
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:696 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:699 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:57
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0